The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-18. (Canceled)

- 19. (Currently Amended) A semiconductor device including at least a thin film transistor comprising:
 - a first silicon oxide film over a substrate;
- a crystalline semiconductor island on an insulating surface on the first silicon oxide film;
- a gate insulating film comprising a second silicon oxide film over the crystalline semiconductor island; and
- a conductive film including at least one of aluminum, titanium, and titanium nitride, said conductive film being formed [[on]] over the first silicon oxide film,

wherein the second silicon oxide film includes halogen at a concentration of 5x10²⁰ cm⁻³ or less and carbon at a concentration of 5x10¹⁹ cm⁻³ or less.

- (Currently Amended) A semiconductor device according to claim 19, 20. wherein the concentrations of halogen and carbon are detected by secondary ion mass spectroscopy.
- (Currently Amended) A semiconductor device according to claim 19, wherein the halogen is chlorine.
- (Currently Amended) A semiconductor device according to claim 19, wherein the halogen is fluorine.

- 23. (Currently Amended) A <u>semiconductor</u> device according to claim 19, wherein the <u>second</u> silicon oxide film includes carbon at a concentration of 1x10¹⁸ cm⁻³ or less.
- 24. (Currently Amended) A <u>semiconductor</u> device according to claim 19, wherein the <u>second</u> silicon oxide film includes halogen at a concentration of 1x10¹⁷ cm⁻³ or more.
- 25. (Currently Amended) A <u>semiconductor</u> device according to claim 19, wherein the <u>second</u> silicon oxide film is formed by plasma chemical vapor deposition using an organic silane.
- 26. (Currently Amended) A <u>semiconductor</u> device according to claim 25, wherein the organic silane comprises at least a material selected from the group consisting of $Si(OC_2H_5)_4$, $Si_2O(OC_2H_5)_6$, $Si_3O_2(OC_2H_5)_8$, $Si_4O_3(OC_2H_5)_{10}$ and $Si_5O_4(OC_2H_5)_{12}$.

27.-34. (Canceled)

- 35. (New) A semiconductor device comprising:
- a first insulating film comprising silicon oxide formed over a substrate;
- a semiconductor island comprising crystalline silicon formed on the first insulating film;
- a gate insulating film comprising silicon oxide formed on the semiconductor island:
- a gate electrode formed over the semiconductor island with the gate insulating film interposed therebetween;

wherein the gate insulating film includes halogen at a concentration of 5x10²⁰ cm⁻³ or less and carbon at a concentration of 5x10¹⁹ cm⁻³ or less.

- 36. (New) A semiconductor device according to claim 35, wherein the concentrations of halogen and carbon are detected by secondary ion mass spectroscopy.
- 37. (New) A semiconductor device according to claim 35, wherein the halogen is chlorine.
- 38. (New) A semiconductor device according to claim 35, wherein the halogen is fluorine.
- 39. (New) A semiconductor device according to claim 35, wherein the concentration of carbon is 1×10^{18} cm⁻³ or less.
- 40. (New) A semiconductor device according to claim 35, wherein the concentration of halogen is 1×10^{17} cm⁻³ or more.
- 41. (New) A semiconductor device according to claim 35, wherein the gate insulating film is formed by plasma chemical vapor deposition using an organic silane.
- 42. (New) A semiconductor device according to claim 41, wherein the organic silane comprises at least a material selected from the group consisting of $Si(OC_2H_5)_4$, $Si_2O(OC_2H_5)_6$, $Si_3O_2(OC_2H_5)_8$, $Si_4O_3(OC_2H_5)_{10}$ and $Si_5O_4(OC_2H_5)_{12}$.
 - 43. (New) A semiconductor device comprising: a semiconductor island comprising crystalline silicon formed over a substrate;

a gate insulating film comprising silicon oxide formed on the semiconductor island:

a gate electrode formed over the semiconductor island with the gate insulating film interposed therebetween; and

an interlayer insulating film comprising silicon oxide formed over the gate electrode,

wherein the gate insulating film includes halogen at a concentration of 5x10²⁰ cm⁻ ³ or less and carbon at a concentration of 5x10¹⁹ cm⁻³ or less.

- A semiconductor device according to claim 43, wherein the 44. (New) concentrations of halogen and carbon are detected by secondary ion mass spectroscopy.
- 45. (New) A semiconductor device according to claim 43, wherein the halogen is chlorine.
- 46. (New) A semiconductor device according to claim 43, wherein the halogen is fluorine.
- A semiconductor device according to claim 43, wherein the 47. concentration of carbon is 1x10¹⁸ cm⁻³ or less.
- A semiconductor device according to claim 43, wherein the 48. concentration of halogen is 1x10¹⁷ cm⁻³ or more.
- 49. (New) A semiconductor device according to claim 43, wherein the gate insulating film is formed by plasma chemical vapor deposition using an organic silane.

- 50. (New) A semiconductor device according to claim 49, wherein the organic silane comprises at least a material selected from the group consisting of Si(OC₂H₅)₄, $Si_2O(OC_2H_5)_{61}$, $Si_3O_2(OC_2H_5)_{81}$, $Si_4O_3(OC_2H_5)_{10}$ and $Si_5O_4(OC_2H_5)_{12}$.
 - 51. (New) A semiconductor device comprising:
 - a first insulating film comprising silicon oxide formed over a substrate;
- a semiconductor island comprising crystalline silicon formed on the first insulating film;
- a gate insulating film comprising silicon oxide formed on the semiconductor island;
- a gate electrode formed over the semiconductor island with the gate insulating film interposed therebetween;
- a second insulating film comprising silicon oxide formed over the gate electrode, wherein the gate insulating film includes halogen at a concentration of 5x10²⁰ cm⁻ ³ or less and carbon at a concentration of 5x10¹⁹ cm⁻³ or less.
- A semiconductor device according to claim 51, wherein the 52. (New) concentrations of halogen and carbon are detected by secondary ion mass spectroscopy.
- 53. (New) A semiconductor device according to claim 51, wherein the halogen is chlorine.
- 54. (New) A semiconductor device according to claim 51, wherein the halogen is fluorine.
- A semiconductor device according to claim 51, wherein the concentration of carbon is 1x10¹⁸ cm⁻³ or less.

- 56. (New) A semiconductor device according to claim 51, wherein the concentration of halogen is 1×10^{17} cm⁻³ or more.
- 57. (New) A semiconductor device according to claim 51, wherein the gate insulating film is formed by plasma chemical vapor deposition using an organic silane.
- 58. (New) A semiconductor device according to claim 57, wherein the organic silane comprises at least a material selected from the group consisting of $Si(OC_2H_5)_4$, $Si_2O(OC_2H_5)_6$, $Si_3O_2(OC_2H_5)_8$, $Si_4O_3(OC_2H_5)_{10}$ and $Si_5O_4(OC_2H_5)_{12}$.